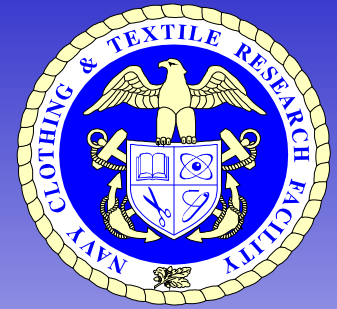




**AIR WARRIOR**



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# JPACE Program Approach

## ***ACAT -***

- Replacement for ~~IVM~~ Navy MK-1 undergarment; Army BDO and CPU; and AF CWU-66/P garment
- Conduct CBD material search for advanced material technologies addressing aviation material/system performance requirements from JPACE JORD
- Leverage JSLIST P3I advanced material testing and technologies to maximum extent possible



# JPACE

## Program Approach

- Utilize information gathered through the AIR WARRIOR program where applicable.
- Use currently fielded aircrew CB systems or JSLIST Configurations as baseline designs for JPACE
- Conduct baseline trade-off evaluations (lab/aircraft simulations/limited flight evals) vs. JORD requirements
- Downselect design and material approach(es)



# JPACE

## Program Approach

- Develop and test joint service design(s)
- Interface with complementary programs:
  - JSLIST P<sub>3</sub>I
    - AIR WARRIOR
    - Navy NDI Aviation Respirator
    - M-45 Army Aviation Respirator
    - JSAM

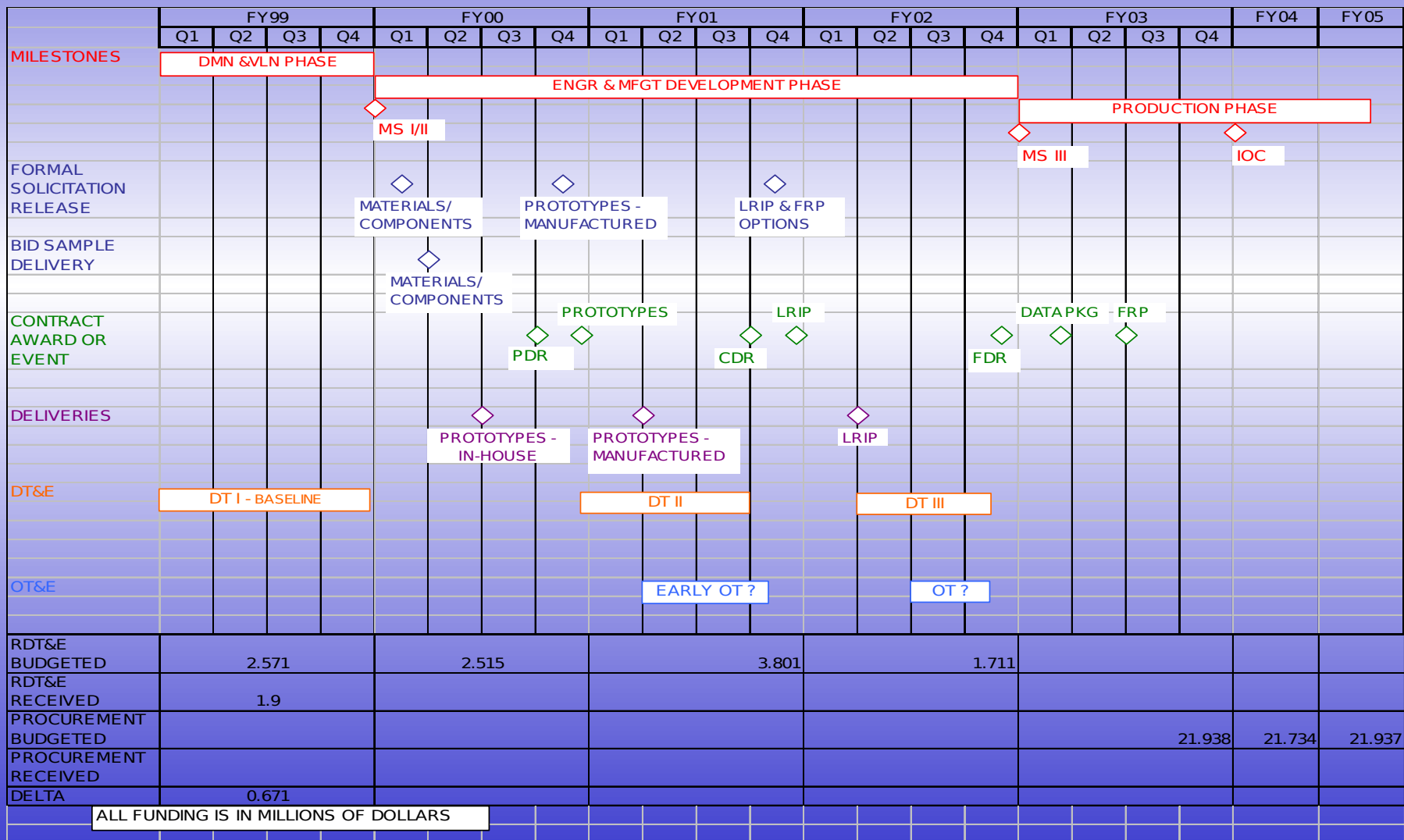


# JPAGE FY99 Goals

- × Baseline Testing
  - × Chemical Agent
  - × Flammability
  - × Thermal Stress
  - × Fit/Sizing
  - × Cockpit/ALSS (aviation life support system) Interface
- × Life Cycle Cost Comparison
- × Comparison Study-Supply Support
- × Downselection Focus Groups
- × RFP (materials and components) Preparation



# JPAGE Acquisition Schedule





## USAF

USA

USN/USMC

MASK - AR-5  
UPGRADE  
BTN - MK-1

FY-97

FY-98

FY-99

FY<sup>1</sup><sub>+</sub>00

FY-01

FY-02

FY-03

FY-04

FY-05

# MASK

## JOINT REQUIREMENTS DEF.

BTN

EMD

# JOIN

## T

## PRODUCTION

EM

~~T&E~~

## PRODUCTI

JOINT SERVICE PROTECTIVE AIRCREW ENSEMBLE (JPACE)

NDI MASK  
USN

## PRODUCTION

## TECH INSERTIONS

M-45 MASK  
USA

## PRODUCTION

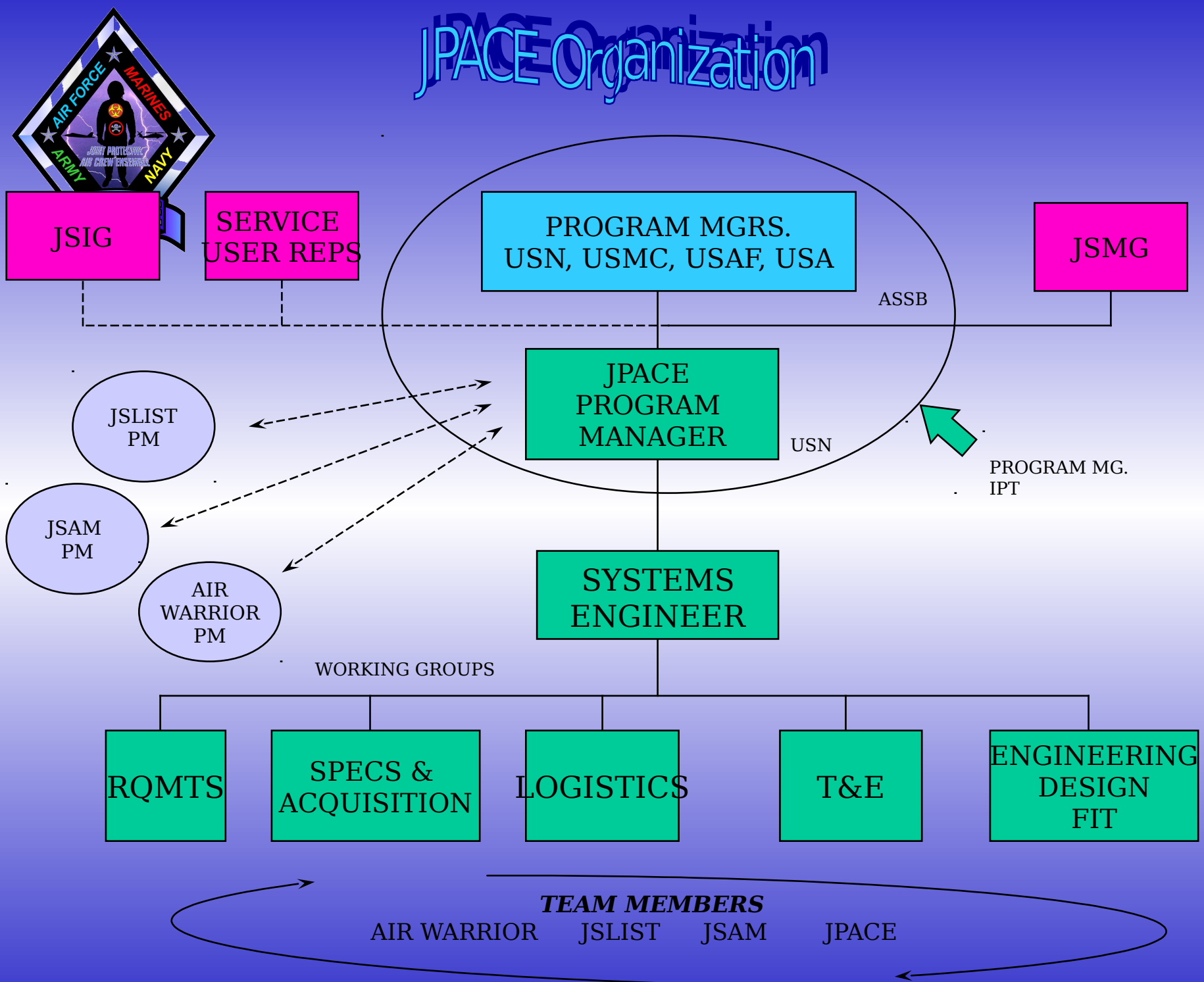
USA INTERIM MASK  
MK48, MK49

# AIR WARRIOR

JOINTS  
IN THE  
ENTIRE  
RANGE  
OF THE  
Joints

BDO - Battle Dress Overgarment  
BTN - Below The Neck (clothing)

# JPACE Organization





# JPACE TASKS



JSIG

USER REPS

PROGRAM MANAGEMENT

ASSB

JSMG - IPE

JSLIST P3I

INTEGRATION

PROGRAM  
COORDINATION

USN

INTEGRATION

INTEGRATION

JSAM

AIR WARRIOR

SYSTEMS ENGINEERING

Systems Integration  
Acquisition  
Documentation  
Focus Groups  
Working Group Coord.

USN

Program  
Management

Program  
Execution

RQMTS

PROCUREMENT  
SPECS & MAT'L'S

LOGISTICS

T&E

ENGINEERING  
DESIGN & FIT

Threat  
Assessment  
Joint ORD  
Down Select  
Concept of Use

Materials  
Identification  
Materials Testing  
Performance  
Specs  
Test Item  
Procurement  
Contracts  
Interface  
DLA Interface

Maintenance  
Planning  
Manpower &  
Personnel  
Supply Support  
Support Equipment  
Computer  
Resources  
Technical Data  
Training & Support  
Facilities  
P H S & T

Baseline  
FR/Physical Props  
Chem Agent, Aerosol,  
MIST  
DT  
FR/Physical Props  
Chem Agent, Aerosol,  
MIST  
Heat Stress  
System Safety/Surviv.  
OT  
Mission Compatibility  
OPEVAL

Suits/Handwear/Foot  
wear  
Patterns/Prototypes  
Size Charts  
Tariffs  
ALSS & A/C  
Compatibility  
Don/Doff  
Fit Tests (baseline &  
DT)



# JPACE ISSUES

***Cooling  
OT***

***Air Warrior Interface  
JSAM interface***



# JPACE

## Upcoming Events

- JPACE/JSAM WG 28-29 June 1999
- MIST Testing June 1999
- AVLAG Testing August? 1999
- Fit/Sizing & A/C Comp Testing July-August 1999
- Downselect Focus Groups August 1999